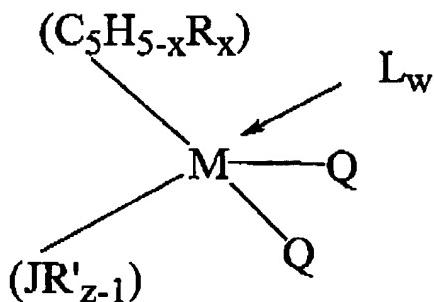


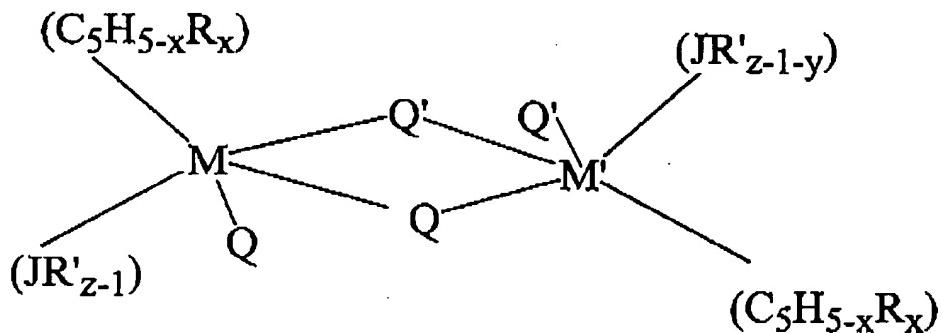
IN THE CLAIMS

1.-26. (canceled)

27. (previously presented) A compound having the general formula:



or



wherein M is Zr, Hf or Ti;

$(C_5H_{5-y}xR_x)$ is a cyclopentadienyl ring which is substituted with from zero to five substituent groups "R", "x" is 0, 1, 2, 3, 4 or 5 denoting the degree of substitution, and each substituent group "R" is, independently, a radical selected from the group consisting of C_1 - C_{20} hydrocarbyl radicals, substituted C_1 - C_{20} hydrocarbyl radicals

wherein one or more hydrogen atoms is replaced by a halogen atom, C₁-C₂₀ hydrocarbyl-substituted metalloid radicals wherein the metalloid is selected from the group IV A of the Periodic Table of Elements, and halogen radicals, or (C₅H_{5-n}R_x) is a cyclopentadienyl ring in which two adjacent "R" groups are joined forming a C₄-C₂₀ ring to give a saturated or unsaturated polycyclic cyclopentadienyl ligand;

(JR'_{z-1}) is a heteroatom ligand in which J is an element with a coordination number of three from Group V-A or an element with a coordination number of two from Group VI-A of the Periodic Table of Elements, each "R'" is, independently, a radical selected from a group consisting of C₁-C₂₀ hydrocarbyl radicals, substituted C₁-C₂₀ hydrocarbyl radicals where one or more hydrogen atoms is replaced by a halogen radical, and z is the coordination number of the element "J";

each "Q" is, independently, a univalent anionic ligand or two "Q"'s together are a divalent anionic chelating ligand, provided that "Q" is different from (C₅H_{5-y}R_x);

"L" is a neutral Lewis base where "w" is a number greater than 0 and up to 3;

"M'" has the same meaning as "M";

"Q'" has the same meaning as "Q".

28.-40. (canceled)

41. (previously presented) Dimethylsilyl(tetramethylcyclopentadienyl)(tert-butylamido)zirconiumdichloride.

42.-43. (canceled)

44. (currently amended) The compound of claims 5 or claim 27 wherein each Q is independently selected from the group consisting of halogen, hydride or C₁-C₂₀ hydrocarbyl.

45. (currently amended) The compound of claims 45 or claim 27 wherein each Q is independently selected from the group consisting of hydride, methyl, ethyl, propyl, butyl, amyl, hexyl, heptyl, octyl, nonyl, decyl, cetyl, phenyl, chloro, bromo, fluoro, and iodo.

46. (currently amended) The compound of claim 5 27 wherein M is Zr.

47. (currently amended) The compound of claim 5 27 wherein M is Hf.